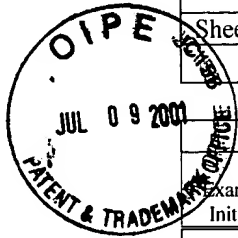


Substitute for form 1449A/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/780,717		
		Filing Date	2/9/01		
		First Named Inventor	Helentjaris, et al.		
		Group Art Unit	1638		
		Examiner Name	To Be Assigned		
Sheet	1	of	1	Attorney Docket Number	35718/208677 (5718-126)



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U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	U.S. Patent Document Number		Kind Code (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
RK	1	5,962,764			Briggs, et al	10/05/99	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document Office Number		Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
RK	2	BUSSIS <i>et al.</i> "Solute accumulation and decreased photosynthesis in leaves of potato plants expressing yeast-derived invertase either in the apoplast, vacuole or cytosol", <i>Planta</i> (1997) 126-136, Vol. 202.	
RK	3	CHENG, <i>et al.</i> , "The Miniature1 Seed Locus of Maize Encodes a Cell Wall Invertase Required for Normal Development of Endosperm and Maternal Cells in the Pedicel", <i>The Plant Cell</i> , 971-983	
RK	4	GREINER, <i>et al.</i> , "Cloning of a Tobacco Apoplasmic Invertase Inhibitor, <i>Plant Physiol.</i> , (1998) 733-742, Vol. 116.	
RK	5	GREINER, <i>et al.</i> , "Ectopic expression of a tobacco invertase inhibitor homolog prevents cold-induced sweetening of potato tubers", <i>Nature Biotechnology</i> , (1999) 708-711, Vol. 17.	
RK	6	TALIERCIO, <i>et al.</i> , "Isolation, Characterization and Expression Analyses of Two Cell Wall Invertase Genes in Maize", <i>Journal of Plant Physiology</i> , (1999), 197-204.	
RK	7	WEIL, <i>et al.</i> , "A 17-kDa Nicotiana tabacum cell-wall peptide acts as an in-vitro inhibitor of the cell-wall isoform of acid invertase", <i>Planta</i> , 1994, 438-445, Vol. 193.	
RK	8	ZINSELMEIER, <i>et al.</i> , "Low Water Potential Disrupts Carbohydrate Metabolism in Maize ( <i>Zea mays</i> L.) Ovaries", <i>Plant Physiology</i> , 1995, 385-391, Vol. 107.	
RK	9	ZINSELMEIER, <i>et al.</i> , "Reversing Drought-Induced Losses in Grain Yield: Sucrose Maintains Embryo Growth in Maize". <i>Crop Science</i> , 1995, 1390-1400, Vol. 35.	
RK	10	ZINSELMEIER, <i>et al.</i> , "Starch and the Control of Kernel Number in Maize at Low Water Potentials", <i>Plant Physiology</i> , 1999, 25-35, Vol. 121.	

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Examiner Signature	Russell Kallis	Date Considered	10/18/02
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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	09/780,717			
				Filing Date	2/9/01			
				First Named Inventor	Helentjaris, et al.			
				Group Art Unit	1638			
				Examiner Name	To be Assigned			
Sheet	1	of	1	Attorney Docket Number	35718/208677 (5718-126)			
<b>U. S. PATENT DOCUMENTS</b>								
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear		
<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials	Cite No.	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup>		Kind Code (if known) <sup>5</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
<b>NON PATENT LITERATURE DOCUMENTS</b>								

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) , volume-issue number(s), publisher, city and/or country where published.	T
RK	11	SANDER, A., <i>et al.</i> , "Sucrose Protects Cell Wall Invertase But Not Vacuolar Invertase Against Proteinaceous Inhibitors", <i>FEBS Letters</i> , 1996, pp. 171-175, Vol. 385	
NK	12	VON SCHAEWEN, A., <i>et al.</i> , "Expression of a Yeast-Derived Invertase in the Cell Wall of Tobacco and <i>Arabidopsis</i> Plants Leads to Accumulation of Carbohydrate and Inhibition of Photosynthesis and Strongly Influences Growth and Phenotype of Transgenic Tobacco Plants", <i>The EMBO Journal</i> , 1990, pp. 3033-3044, Vol. 9, No. 10.	
ORK	13	WEBER, <i>et al.</i> , "Expression of a Yeast-Derived Invertase in Developing Cotyledons of <i>Vicia Narbonensis</i> Alters the Carbohydrate State and Affects Storage Functions", <i>The Plant Journal</i> , 1998, pp. 163-172, Vol. 16, No. 2.	

Examiner Signature	<i>Phinnell Kallis</i>	Date Considered	10/18/02
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RTA01/2099302v1

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

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<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup> Applicant is to place an "X" here if English language Translation is attached.

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**SUPPLEMENTAL  
INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete *as shown*

Application Number 09/780,717

Filing Date 2/9/01

First Named Inventor Helentjaris, et al.

Group Art Unit 1638

Examiner Name To be Assigned

Attorney Docket Number 35718/208677 (5718-126)

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**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known) <sup>5</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
RK	14	WO	98/04722		Universität Heidelberg	02/05/1998	— —	—
RF	15	WO	00/09719		RAUSCH, T.	02/24/00	— —	—

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Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
AK	16	RUSSELL, P., Invertase Inhibitor in Tomato Fruit, Phytochemistry, 1994, Vol. 36(3) pp. 543-546.	
RK	17	EMBL Database Accession number AU030354, 1998.	

Examiner Signature	<i>Russell Kalch</i>	Date Considered	10/12/02
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RTA01/2103316v1

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<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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<sup>6</sup> Applicant is to place an "X" here if English language Translation is attached.



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**SUPPLEMENTAL  
INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	09/780,717
Filing Date	February 9, 2001
First Named Inventor	Helentjaris
Group Art Unit	1638
Examiner Name	Not yet assigned
Attorney Docket Number	35718/208677 (5718-126)

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**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document			Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known) <sup>5</sup>			
AK	18	WO	98/04722	A1	Universität Heidelberg	02-05-1998	
AK	19	WO	00/09719	A1	Rausch, Thomas	02-24-2000	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
AK	20	PRESSEY, R., "Invertase Inhibitor in Tomato Fruit," <i>Phytochemistry</i> , 1994, pp. 543-546, Vol. 36(3), Elsevier Science Ltd., Great Britain.	
AK	21	EMBL Database Report for Accession No. AU030354, October 16, 1998 (XP-002173419)	
AK	22	EMBL Database Report for Accession No. AW147128, November 4, 1999 (XP-002180853)	
AK	23	EMBL Database Report for Accession No. C93615, April 28, 1998 (XP-002180854)	
AK	24	EMBL Database Report for Accession No. BE360882., July 28, 2000 (XP-002180855)	
AK	25	EMBL Database Report for Accession No. BF729260, January 11, 2001 (XP-002180856)	

Examiner Signature	Russell Kallis	Date Considered	10/10/02
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<sup>1</sup> Unique citation designation number.<sup>2</sup> See attached Kinds of U.S. Patent Documents.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place an "X" here if English language Translation is attached.